AMENDMENTS TO THE CLAIMS

Please amend claims 1 and 41, as shown below. A complete listing of the claims, including their current status, is provided below.

1. **(Currently amended)** A polynucleotide array comprising:

(a) a first set of multiple features each of which comprises a single stranded cDNA molecule of at least 400 nucleotides in length; and

(b) a second set of features **independent of said first set of features** each of which comprises a synthetic single stranded second polynucleotide molecule of no more than 100 nucleotides in length.

2. **(Previously presented)** A polynucleotide array according to claim 1 wherein a ratio of the first set of features to the second set of features is at least 10/1.

3. **(Previously presented)** A polynucleotide array according to claim 1 wherein a ratio of the first set of features to the second set of features is at least 20/1.

4. **(Cancelled)**

5. **(Previously presented)** A polynucleotide array according to claim 1 wherein the first cDNA molecules are from enzymatic processing of one or more longer polynucleotides.

6. **(Previously presented)** A polynucleotide array according to claim 1 wherein the cDNA molecules have a length of at least 500 nucleotides.

7. **(Previously presented)** A polynucleotide array according to claim 1 wherein the cDNA molecules have a length of at least 1000 nucleotides and the second polynucleotides have a length of no more than 80 nucleotides.

8. **(Previously presented)** A polynucleotide array according to claim 6 wherein the lengths of the first and second polynucleotides exclude the lengths of a polynucleotide stilt portion if present.

9. **(Original)** A polynucleotide array according to claim 1 wherein the array features are arranged in a rectangle with second set features at least at the corners of the rectangle.

10. **(Previously presented)** A polynucleotide array according to claim 1 wherein the array features are arranged in lines, with at least some lines including features of both the first and second sets of features and in which lines at least two features of the second set of features are spaced apart by at least 70% of the first set features in the same line.

11. **(Previously presented)** A polynucleotide array according to claim 1 wherein at least 70% of a sequence of a second polynucleotide molecule is not contained within a sequence of a cDNA molecule.

12. **(Previously presented)** A polynucleotide array according to claim 11 wherein at least 70% of the sequences of more than half the second polynucleotide molecules is not contained within a sequence of a cDNA molecule.

13. **(Previously presented)** A polynucleotide array according to claim 1 wherein none of the sequences of the second polynucleotide molecules is contained within a sequence of a cDNA molecule.

14. **(Previously presented)** A polynucleotide array according to claim 1 wherein the sequence of a second polynucleotide is contained within a cDNA molecule sequence.

15. **(Previously presented)** A kit comprising:
(a) a polynucleotide array having:

a first set of multiple features each of which comprises a single stranded cDNA molecule of at least 400 nucleotides in length;

a second set of features each of which comprises a synthetic single stranded second polynucleotide molecule of no more than 100 nucleotides in length; and
(b) polynucleotide controls each of which is, or their complement is, at least 70% complementary to a sequence of a second polynucleotide which is different for different ones of the controls.

16 **(Previously presented)** A kit according to claim 15 wherein each of the controls or their compliments is at least 90% complementary to a sequence of a second polynucleotide which is different for different ones of the controls.

17. **(Previously presented)** A kit according to claim 15 wherein the controls are labeled.

18. **(Previously presented)** A kit according to claim 15 wherein a ratio of the first set of features to the second set of features is at least 10/1.

19. **(Previously presented)** A kit according to claim 15 wherein a ratio of the first set features to the second set of features is at least 20/1.

20. **(Original)** A kit according to claim 15 additionally comprising instructions to expose the array to a sample and the controls or their complements.

21-37. **(Cancelled)**

38. **(Previously presented)** A polynucleotide array according to claim 1 wherein features of the second set of features have the same polynucleotide.

39. **(Previously presented)** A polynucleotide array according to claim 1 wherein at least 70% of a sequence of each of the second polynucleotide molecules is not contained within a sequence of a cDNA molecule.

40. **(Previously presented)** A polynucleotide array according to claim 1 wherein at least 70% of a sequence of each of the second polynucleotide molecules is not contained within a sequence of any of the cDNA molecules.

41. **(Currently amended)** A polynucleotide array comprising:

(a) a first set of multiple features each of which **comprises a** ~~compmrises a single stranded~~ cDNA molecule of at least 400 nucleotides in length; and

(b) a second set of features **independent of said first set of features** each of which

comprises a synthetic polynucleotide molecule **comprising a nucleotide sequence that is also present in a single stranded cDNA of the first set of features and is** of no more than 100 nucleotides in length.

~~each of which features contain a polynucleotide of only one sequence~~.